

WHAT IS CLAIMED IS:

1. An information color system using a color model in which code based on The ratio of RGB spectral wavelength of the light received by the eye is applied to each color, at least comprising:

a reference printed matter in which said color model is printed on a transparent or white paper;

a computer device having a displaying means which can display said color model; and

an output means or a communication means connected to the computer device,

wherein said displaying means is adjusted such that the displayed color model becomes the nearly same coloring as that of the color model printed on said reference printed matter in the white surrounding light;

said output means selects at least one of an outputting method, a painting means, and a painted media such that the outputted color model becomes the nearly same coloring as that of the color model printed on said reference printed matter in the white surrounding light; and

the color viewed by the eye of the color model displayed on the displaying means becomes nearly the same as the color viewed by the eye in the color model outputted from said output means.

2. An information color system according to claim 1, wherein the light irradiating said displaying means is adjusted such that the coloring of the color model displayed on said displaying means becomes the nearly same coloring as that of the color model printed on said reference printed matter in the white surrounding light.

3. An information color system according to claim 1, wherein a color chart of said reference printed matter, a color chart displayed on said displaying means, and a color chart outputted from said output means are measured by a measuring device

which can measure the ratio of the RGB and are adjusted so as to become the nearly same coloring.

4. In an information color system using a color model in which code based on the ratio of the RGB spectral wavelength of the light received by the eye is applied to each color and comprising at least a reference printed matter in which said color model is printed on a transparent or white paper; a computer device having a displaying means which can display said color model; and an output means or a communication means connected to the computer device, a printing method comprising the step of:

adjusting the color model displayed on the displaying means so as to become the nearly same coloring as that of the color model printed on said reference printed matter in the white surrounding light;

selecting at least one of an outputting method, a painting means, and a painted media such that the coloring of the color model outputted from said output means becomes the nearly same coloring as that of the color model printed on said reference printed matter in the white surrounding light;

inputting a predetermined picture data to said computer device;

applying a code on the basis of said color model with respect to the color composing the picture data;

specifying a complementary color of the color composing said picture data, on the basis of the code specified by said color model;

converting the code based on the ratio of the RGB spectral wavelength into the code based on the ratio of CMY with respect to the color composing said picture data by the specified complementary color;

preparing a negative plate by said specified complementary color; and

outputting the picture at the predetermined media on the basis of the code based on the ratio of said CMY or said negative plate.